



OSCILLATOR

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STS-106 Launch Set For September 8

The way has been cleared for the Amateur Radio gear for use aboard the International Space Station to be launched into space. The initial amateur gear is scheduled go up to the ISS aboard the shuttle Atlantis on September 8.

As part of the Amateur Radio on the International Space Station project, the gear will be stowed aboard the ISS for use by the Expedition 1 crew, set to board the ISS in late October.

"We have been working for years to bring the first ISS hardware to fruition," ARISS Administrative Chairman Frank Bauer, KA3HDO, said. "It looks like the final issues that have held us back are now over, and we are moving ahead toward the launch of the initial hardware on STS-106."

See ISS, page 6

Next Meeting — Wednesday, Sept.13th at 7 PM

The September program will be David Aucsmith, N7VKC, and it will be about criminal activity and how to prevent it on the Internet. We will have the **Tailgate Auction/Swapmeet** as usual in September. The August program was unable to be presented because of a lack of coordination between Janet and Dean and JD. We all thought there would be a laptop computer there to be used, and no one specifically arranged for it. Sorry.

Janet, WB7FJC

Prexy's Prose JD FORT, K7JDF

I will be unable to join you for the September General membership meeting. It is my annual trek across the State of Oregon with the Cycle Oregon crew.

As far as I'm concerned this is the ultimate in public service events. It's an intense and very rewarding seven days of early rising and long hours in a living, breathing moving community of 1400 plus bicyclists, with all the accompanying support vehicles, vendors and volunteers. It also calls upon every ounce of personal and customer relations skill that can be mustered. Despite all of this it is the most fun I have in public service events.

See PREXY, page 3

ODDS & ENDS

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Amateur Radio From Space

Your own reference chart in this issue.

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TWO WAY VOICE CONTACT VIA 1/2 mWATT LASER AT FIELD DAY

Participants at the Palomar Amateur Radio Club ARRL Field Day site in Valley Center, California, this year completed a two-way voice contact via laser beam. In typical ham radio tradition, communicating over the nearly 13-mile path on a beam of light involved minimal cost and readily-available parts.

"The first step in establishing a laser QSO is determining that a clear optical path exists," says Bob Gonsett, W6VR, one of those involved in the experiment. Stan Rohrer, W9FQN, at the PARC Field Day site simply "transmitted" a mirror flash to Gonsett, who was on Boucher Hill at Palomar Mountain.

"Flashing this 12.7 mile optical path confirmed that there were no trees, bushes or buildings in the way--constant problems in optical work," Gonsett said. Hams have conducted laser communication over paths of 100 miles or so, he noted, so the distance was not record-breaking. The PARC experiment showed that laser communication can be accomplished with simple, inexpensive gear.

Equipment involved two full-duplex voice-modulated laser units constructed by Kerry Banke, N6IZW, and Chuck Houghton, WB6IGP, using PVC pipe housings. Each uses an ordinary 0.5 mW red "pointer" laser costing less than \$3 apiece as a transmitter. The lasers were mounted outside the PVC tubes. "Because a laser beam is very narrow, the apparatus is aimed with the aid of a rifle telescope," Gonsett explained. Precise positioning was accomplished using two micrometers salvaged from microwave tubes.

At the transmitting end, a "stock" pointer laser is powered by a 35-kHz oscillator. A microphone frequency modulates the 35-kHz oscillator at 5 kHz deviation. At the receiving end, the incoming red laser light hits a plastic Fresnel lens that focuses the light onto a photo detector. Out of the photo detector comes the 35-kHz FM signal. That signal is mixed with a 145.000 MHz local oscillator, producing a signal on 145.035 MHz. That signal is run through coax to a ham radio H-T tuned to 145.035 MHz--the H-T serving as the FM demodulator/receiver. The system is full-duplex.

See LASER, page 4

License Examinations, by Carl, WS7L

The Oregon Tualatin Valley Amateur Radio Club will sponsor testing sessions:

7 October
2 December

Please contact Carl Clawson, WS7L, 503-629-5796, ws7l@arrl.net, to preregister. The 2000 test reimbursement fee is \$6.65.

There are other sessions in the Portland area. For information, contact the editor, w6abm@arrl.net.

Summit To Surf V, Betty N7REX

For two years in a row now the weather has been perfect preceding the day of the event and perfect afterward but less than optimal on ride day. Friday night July 21 brought the first signs of concern as dark cumulonimbus clouds formed over the Portland area. The first threat of rain in nearly two months was upon the area. As Portland awoke on Saturday morning some areas had wet streets. Furthermore a look toward the majestic Mount Hood showed an ominous layer of fog and clouds encompassing the mountain. Day-of-event registrations were notably down. But the lure of the mountain, the challenge of the event, and the dedication to

See SUMMIT, page 8

Amateur Radio Emergency Communications Program by Dan, K3UFG

The new ARRL-sponsored Certification and Continuing Education pilot project attracted the attention of 383 people who submitted possible names for the project. *"Amateur Radio Emergency Communications Program"* was selected from the offerings. Effort is now being directed to finding an appropriate graphic to be featured as the logo for the program. *Amateur Radio Emergency Communications Program* is to be the first block in the League's Certification and Continuing Education Program.

Proposed graphic designs should be simple and presented in black-and-white. ARRL The outline and related materials can be viewed at: www.svvi.net/w0ipl/emcom-rd.htm.

The new emergency communications course is in the final stages of development and is expected to be offered as an Internet class this month. Send suggested logo designs to Dan Miller, K3UFG, k3ufg@arrrl.org.

The Certification and Continuing Education program has been in development as a part of the ARRL effort to increase the skill and knowledge of the amateur community in the wake of restructuring. It is targeted to ALL amateurs, not only the newly licensed pool. Many veteran hams expressed fear that the new amateur operators would not reflect the same high level of competence, technical knowledge and operating skill as represented in their generation of licensees.

Prexy, from page 1

In my absence your vice president, Janet Bell WB7FJC, will be the presiding officer. Don't forget that the program for September includes the annual OTVARC parking lot flea market. If there are those items from your shack, or the last computer upgrade, you're tired of continually moving from the attic to the garage to the storage shelves and back again, this is your chance! You never know. Your odds and ends could be just the thing a fellow ham is looking for to complete a project.

We continue to need applicants for the control operator positions with the W7OTV OTVARC repeater. If you are interested please contact me at k7jdf@arrrl.net, 259.0269 or on the 146.96 repeater. For further information you can refer to last month's Oscillator. I will make sure we get an application out to you as soon as possible. As a club member and ham I encourage you to use the 146.96 machine. You will find the coverage rivals that of the famous 147.320 machine. In fact, we used 6.96 about 70 percent of the time during this year's MS 150 event, which was held in the Corvallis area. At the same time I find the coverage is superb during my daily commute between Hillsboro, through Portland and out to Clackamas on the East side.

Special thanks and kudos to all of the SEAPAC board members and all associated club members who worked extremely hard this year. That hard work resulted in a banner year for SEAPAC. Thank you all very much!

A reminder. The Beaverton Elks Lodge has a policy that prohibits the wearing of shorts or caps inside the Lodge. I know we're headed for the warm part of the year. But, please be mindful of their rules. Otherwise, enjoy the great Oregon weather, get those antenna installations winterized and I'll see you at the October meeting!

ARRL AND REACT: Hams And Cbers Discover One Another

Amateur Radio and the Radio Emergency Associated Communications Teams took some first steps together this summer. The ARRL Board of Directors approved a memorandum of understanding between the two radio organizations at its July meeting.

The ARRL was on hand July 26-28 for the REACT 2000 International Convention in Kissimmee, Florida. The event included attendees from the US as well as from Canada and Trinidad and Tobago. ARRL Southern Florida Section Manager Phyllisan West, KA4FZI, coordinated activities for ARRL's representation at the event with Walt Young, convention chairman for the 25th annual REACT gathering.

"REACT folks are dedicated to public service, responding dependably to cover emergencies, marathons and other charity events," said West, who set up and staffed an ARRL exhibit table at the REACT event. "They operate mainly on GMRS and FRS to avoid problems of unlicensed CB channels, and are excited about working more closely with hams."

West said that copies of the ARRL Public Service Communications Manual at the ARRL table were snapped up. "REACT folks were interested in how hams handle NTS and tactical messages," West said. While a lot of REACT members already are amateurs, West said she encouraged those who were not to get ham licenses "to enhance their ability to participate in emergency communications."

While REACT has been associated primarily with Citizens Band in the past, the organization has widened its focus to embrace amateur and other services. Young called REACT "just another radio group that is doing the same basic job as ham radio operators" that provides emergency communications when and where needed.

"The trick is to get various groups to work together," he said. Approximately one-quarter of the REACT conventioners were ham operators, and one of the official events at the convention was the Amateur Breakfast, at which West and her husband, Art, were guests. FCC Special Counsel for Amateur Radio Enforcement Riley Hollingsworth, K4ZDH, presented an FCC seminar during the REACT convention.

ELMER EMAIL SITE OPENED BY PORTLAND AMATEUR RADIO CLUB

Ever had technical or how-to-do-it questions which you wanted a quick answer to? The Portland Amateur Radio Club has set up an email reflector called "MYELMER" in order to provide members [other amateurs??, editor] with answers. A panel of experts has been assembled to monitor the reflector and provide advice on their ham related problems. Email your question to myelmer@egroups.com.

LASER, from page 2

Gonsett said observers at the PARC Field Day site were "blown away" by the brilliance of the one-half milliwatt red laser beam coming from the distant mountain. "While the beam shimmered with atmospheric turbulence, voice communications were clear and steady with only a hint of rumble, thanks to the use of FM," he reports.

LUNCH BUNCH

QST DE WA0BRU...

Lunch Bunch

Saturday
September 23
1:30 P.M.

Join us at Sweet Tomatoes'
new location
6600 SW Cardinal Lane,
Tigard

Take highway 217 South to
Carmen exit. Go right to
Sequoia Parkway. Turn
right. You can see the
restaurant from 217 on the
West side.

Talk in frequency 146.90.

TRAVELERS

September 15-17

Elk Meadows RV Park

Trout Lake, Washington
Wagonmasters
Al & Mary Berg

For information or to reserve a
spot contact Al & Mary Berg at
w7sic@pocketmail.com or at
816-7098.

The campout at Elk
meadows is a joint venture
with the Hoodview Amateur
Radio Club. Both clubs have a
good turn out and the pot luck
is scrumptious! Last year's
event featured a sing along by
the big fire accompanied by
fiddle and guitar. Come see if
the group can top that this
year. Come for the weekend or
for Saturday's festivities.

See TRAVELERS, page 8

5th Wednesday

Our third 5th Wednesday
Contest of the new
Century took place on
August 30th. Logs are
due at the September Club
meeting or via SNAIL to
Jim Schaeffer. Awards
will be given at the
October 11th Meeting.

Awards are given for two
classes of stations, QRP (5
watts or less) and more
than 5 watts.

The Fifth Wednesday
Contest is an exercise to
help determine 2 meter
capability using simplex
(147.54 MHz). Our last
5th Wednesday Contest of
2000 will be held
Wednesday, November
29th

NEW AMATEUR SATELLITES IN THE OFFING

New amateur satellites are reported on the way as payloads from Saudi Arabia and Malaysia were set to launch August 25 from the Russian Cosmodrome.

SAUDISAT-1A and SAUDISAT-1B, the first Amateur Radio satellites from the Kingdom of Saudi Arabia, are under construction at the Space Research Institute in Riyadh. Set to launch August 25 from the Baikonur Cosmodrome, Kazakhstan, the two satellites will be capable of 9.6 kb digital store-and-forward operation as well as FM bent pipe mode.

SAUDISAT 1A will have a downlink on 437.075; SAUDISAT-1B will downlink on 436.775 MHz. VHF uplinks will be announced after commissioning.

"Amateur Radio is in its infancy in Saudi Arabia," said Dr Turki Al Saud, director of the Space Research Institute. "With these satellites we hope not only to add satellites to the space resources available to hams worldwide, but to increase the awareness of the value of Amateur Radio in the Kingdom."

The first Malaysian amateur satellite, TIUNGSAT-1, is also to be launched on the same vehicle. The new bird will offer FM and FSK (at 9.6, 38.4, and 76.8 kb) with uplinks at 144.46, 145.85,
See NEW SATS, page 6

ISS, from page 1

moving the ARISS project forward. The first was the launch and docking of the Russian-built Zvezda Service Module that eventually will house the ARISS gear. In addition, Bauer said, a series of RF, power-up and other tests on the amateur equipment were successfully completed in Russia, thanks to Lou McFadin, W5DID, of ARISS and AMSAT and Carolynn Conley, KD5JSO, of NASA. He said NASA also signed off on the required flight safety package, giving the go-ahead to release the amateur hardware for flight aboard the upcoming shuttle mission.

The Expedition 1 crew will consist of three amateurs: US astronaut Bill Shepherd, KD5GSL, and Russian Cosmonauts Sergei Krikalev, U5MIR, and the recently licensed Yuri Gaidzenko. To be available to the, the ARISS initial station gear will be installed temporarily aboard the ISS Functional Cargo Block. It will use an existing antenna that's being adapted to support FM voice and packet on 2 meters but not on 70 cm. Eventually, the ARISS gear will find a more-permanent home aboard the Zvezda Service Module. A Russian call sign, RZ3DZR, has been issued for the ISS ham radio station.

Bauer says the astronauts and cosmonauts plan to take some time off for educational outreach contacts with schools, even during the busy years of ISS construction that lie ahead. Bauer says access to Amateur Radio also is considered a morale booster for ISS crew members who will be in space many weeks at a time.

As the International Space Station takes its place in the heavens," Bauer said, "the Amateur Radio community is prepared to do its part by helping to enrich the experience."

NEW SATS, from page 5

and 145.86 MHz and downlinks at 437.300, 437.325, 437.350, and 437.375 MHz.

The package also includes the Multi-Spectral Earth Imaging System and Meteorological Earth Imaging system payloads. The Malaysian spacecraft is the result of a technological collaboration between Astronautic Technology and Surrey Satellite Technology Ltd. An animation of the TIUNGSAT-1 launch is available at the SSTL site, http://www.sstl.co.uk/missions/mn_tiangsat_1.html.

Additional Amateur Satellite information can be found at the following locations:

- ⇒ www.amsat.org
- ⇒ www.spacedaily.com
- ⇒ www.amsatnet.com
- ⇒ www.arrl.org

See listing of places to listen for satellite activity and HF Nets dealing with AMSAT, page 7 of this issue.

D EETH & ASSOCIATES

- * Telecommunications
- * Most Key Systems
- * TIE/Norstar/ & Others
- * Security Systems

503-324-3737
Pager 503-818-0581
Fax: 503-324-4833

Ray Deeth
180 So. Main (#C)
Banks, Oregon 97106

Listening To Amateur Radio From Space

You can learn more about Amateur Radio in space by listening in to the HF Amateur Nets dealing with this topic. You'll find the nets at:

Net Name	Day	Time	Frequency
AMSAT International	Sunday	1900 UTC	14.282 MHz
AMSAT International	Sunday	1900 UTC	21.280
AMSAT International	Sunday	2300 UTC	18.155
AMSAT-NA (East Coast)	Tuesday	2100 Local	3.840
AMSAT-NA (Mid-America)	Tuesday	2100 Local	3.840
AMSAT-NA (West Coast)	Tuesday	2100 Local	3.840

18 and 21 MHz Nets are active only during winter propagation.

Satellite	Designator	Downlink	Mode
Radio Sport	RS-13	29.460- 29.500	CW/SSB
Radio Sport	RS-15	29.354- 29.394	CW/SSB
OSCAR 10	AO-10	145.975-145.825	CW/USB
AMRAD	AO-27	145.850	FM
UOSAT	UO-14	435.070	FM
SUNSAT	SO-35	145.825	FM
JAS-1b	FO-20	435.800-435.900	CW/USB
JAS-2	FO-29	435.800-435.900	CW/USB
KITSAT	KO-25	436.500	FM
UOSAT	UO-22	435.120	FM
OSCAR 11	AO-11	145.825	FM 1200 baud AFSK
LUSAT	LO-19	437.125	CW
PACSAT	AO-16	437.035	SSB RC-BPSK
			1200 baud PSK
TMSAT-1	TO-31	436.925	9600 baud FSK
UOSAT -12	UO-12	437.025-437.400	9600 baud FSK
ITAMSAT	IO-26	435.822	SSB
ISS	RZ3DZR (Call)	Unknown	SSB/Slow Scan TV
			FM
MIR		145.985	FM
		145.985	Slow Scan TV
Space Shuttle	STS-???	145.550	FM & Packet

Various tracking programs are available on the Internet to assist in determining the times you can hear each Satellite. One of these programs was created by NASA. Information on this program can be found at <http://spaceflight.nasa.gov/realdata/index.html>. This program requires a PC running 166 MHz or better.

There is a bi-weekly internet publication, *AMSAT NEWS SERVICE*, and *SPACENEWS* available at www.amsat.org. With these you will be kept up-to-date on the changing space amateur radio scene.

Are there club members who are already involved in the use or experimentation with the satellites? Why not write a story for the *Oscillator*?

for a little over 800 cyclist and over 100 volunteers. Fifteen ham radio operators helped provide communication for the event. Summit to Surf is a 54 mile bicycle ride over mountainous terrain from Welches to Hood River with a challenge section going to Timberline Lodge. For the first time this year, we had two shadows. Jim Schaeffer KB7ADH was assigned to the director and event coordinator Kevin Finn. Owen Smith K7CBI was assigned as shadow to Dr. Ralph Yates the Summit to Surf Chairperson. Geno Gray K7GY was sweep, a position he willingly accepted even when he was asked to do double volunteer duty and pull signs as well as do communication duties. Jeff Mathia KF6CXD was a sag driver and communicator. Ernie Johnson KC7PMZ again this year was the assigned as Med 1 with the ambulance. Claire Johnson N7CM was route control at the crossing of Highway 26 and West Leg Road. The presence of Claire's light bar helped to alert traffic and make the crossing safer for our 200 riders who chose to do the challenge ride. Scott Adams KB8PRS was motorcycle mobile and sweep for the West Leg forest road which the cyclists took to reach Timberline Lodge. As he traveled the road in advance of the cyclists, he reported back that about half way up he rode above the clouds and mist and into glorious sunshine. That offered a glimmer of hope for the rest of us still coping with cold damp conditions, but also some envy.

Continued Next Month

Public Service Event Dates

Add these dates to your calendar of public service events in which we participate through the club.

Cycle Oregon

Sept. 9-16

Randy Stimson KZ7T 297-1175
Kz7t@arrrl.net

Race for the Cure

Sunday, Sept. 17

Marti Brutcher W7AYL 684-9575
W7ayl-marti@juno.com

Walk To Cure Diabetes

Sept. 24

Betty Mickley N7REX 642-1284
N7rex@teleport.com

Portland Marathon

Oct. 1

Hugh Ellsworth KB7LJV 653-1993
Kb7ljv@arrrl.net

Meier and Frank Holiday Parade

Friday, Nov. 24

Jim Schaeffer KB7ADH 245-2518
JIM@sbpimail.attmail.com

TRAVELERS, from page 5

Elk Meadow RV Park has a spectacular view of Mt. Adams and is near the famous Saw Tooth Huckleberry fields. Other attractions in the area include an ice cave and natural bridges formed by a collapsing lava tube.

Elk Meadow Park has gravel roads with over 100 sites, restrooms, showers, dump, public phone, laundry, firewood, and a covered group area.

From the Portland area take I-84 to Hood River and cross the Hood River Toll Bridge. Follow signs to White Salmon, Washington then head North following signs to Trout Lake about 25 miles to Trout Lake. Continue on SR-141 through Trout Lake in about a mile you will see a sign that says Elk Meadows RV Park 1 mile. Turn right on the next road and go about 1 mile. The park is on the right.

Whether you come for the weekend, or just for the Saturday festivities, you'll be glad you joined us!

Club Contact Directory

OTVARC Executive Board

President	J.D. Fort	K7JDF	jdradio@teleport.com	503-259-0269
Vice President	Janet Bell	WB7FJC	wb7fjc@arrl.net	503-648-4147
Secretary	Mike McDonald	KC7YSW	macsuer@teleport.com	503-692-5893
Treasurer	Linda Sutton	KC7YTD	kb7pww@msn.com	503-246-8879
Trustee	Jack Smithson	KA7HOJ	ka7hoj.webtv.net	503-646-1873
Trustee	Will Sheffield	N7THL	n7thl@juno.com	503-642-7314
Trustee	Jim Blanchard	W7HOW	w7how@juno.com	503-579-0248
Trustee	Alvin Carlson	KB7VHI	alvinc@sequent.com	503-629-5728
Trustee	Julia Landers	KD7GQW	wa0bru@juno.com	503-646-1546

Other Club Contacts

ARRL Coordinator	Bob Orr	WF7Q	boborr@onlinemac.com	503-472-2716
Equipment Loan	Stan Griffiths	W7NI	w7ni@teleport.com	503-649-0837
Equipment Valuation	Randy Stimson	KZ7T	kz7t@arrl.net	503-297-1175
Equipment Trustee	Al Berg	W7SIC	w7sic@pocketmail.com	503-816-7098
Emergency Services	J.D. Fort	K7JDF	jdradio@teleport.com	503-259-0269
Field Day Coordinator	Harold Landers	WA0BRU	wa0bru@juno.com	503-646-1546
	Jack Smithson	KA7HOJ	ka7hoj@webtv.net	503-646-1873
Health & Welfare	Linda Sutton	KC7YTD	kb7pww@msn.com	503-246-8879
Historian	Al Berg	W7SIC	w7sic@pocketmail.com	503-816-7098
Internet Home Page	Marc Chamberlin	WA7PWX	marcc@easystreet.com	503-357-1869
	Betty Mickley	N7REX	mmickley@teleport.com	503-642-1284
Member Badges	Carl Clawson	WS7L	carlclawson@compuserve.com	503-629-5796
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Public Relations	J.D. Fort	K7JDF	jdradio@teleport.com	503-259-0269
Public Service	Randy Stimson	KZ7T	kz7t@arrl.net	503-297-1175
Repeater	Wes Allen	K7WWG	wesa@dnc.net	503-649-3295
RFT & TVI	Dale Mosby	K7FW	dale@sequent.com	503-640-0217
Satellites	Everett Curry	W6ABM	w6abm@amsat.org	503-681-2345
Scholarship	Carl Clawson	WS7L	carlclawson@compuserve.com	503-629-5796
Sea-Pac	Al Berg	W7SIC	w7sic@pocketmail.com	503-816-7098
"	Brad Beach	N7NVC	bbeach@teleport.com	503-657-1781
"	Jim Schaeffer	KB7ADH	jim.schaeffer@sulzerpumps.com	503-245-2518
"	Randy Stimson	KZ7T	kz7t@arrl.net	503-297-1175
"	Will Sheffield	N7THL	n7thl@juno.com	503-642-7314
Station Trustee	Hanford Van Ness	KE7BB	ke7bb@email.msn.com	503-246-7975
Social	Harold Landers	WA0BRU	wa0bru@juno.com	503-646-1546
Technical Specialist	Stan Griffiths	W7NI	w7ni@teleport.com	503-649-0837
Tower Ordinances	Greg Milnes	W7OZ	w7oz@arrl.org	503-648-6990
Trailer	Dee Lynch	K7JRB	deek7jrb@arrl.net	541-745-1025
Training (upgrade)	Janet Bell	WB7FJC	wb7fjc@arrl.net	503-648-4147
Travelers	Betty Mickley	N7REX	mmickley@teleport.com	503-642-1284
VE Test Coordinator	Carl Clawson	WS7L	carlclawson@compuserve.com	503-629-5796
VHF/UHF	Arnold Jensen	W7DSA		503-543-3713

Hamfests And Conventions

9 Sep 2000

Metropolitan Area Picnic

Join with friends of amateur radio at Red Sunset Park
Gresham, OR
11:00 am - 3 pm
Bring your own non-alcoholic beverage, and chips, a salad, or dessert to share. \$1 handles the burger.

16-17 Sep 2000

Alaska State Convention

Anchorage ARC
John Bury, KL7QZ
10300 Thuja Circle
Anchorage, AK 99507
907-349-8754
bury@gci.net
kl7aa.akconnect.com

23 Sep 2000

Walla Walla Amateur Radio Club

Mary Hayter, KC7PNE
1870 East Alder Street
Walla Walla, WA 99362-2602
509-522-5227
kk7sr@arrl.net

14 Oct 2000

North Kitsap ARC

Susan Johnson, AB7MD
PO Box 1226
Poulsbo, WA 98370
360-697-9379
nkarc@yahoo.com
www.silverlink.net/nkarc

21 Oct 2000

Swap-Toberfest 2000

Mid-Valley ARES
Rickreall, OR
http://www.teleport.com/~n7ifj/swaptobe.htm
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PO Box 13848
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503-838-0266
wa7fjf@arrl.net

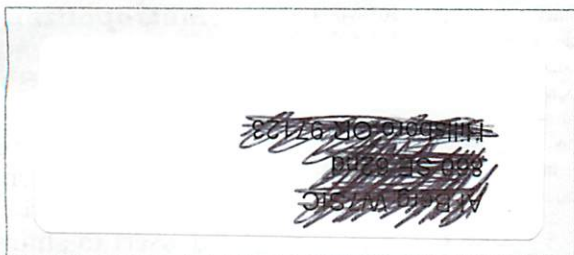
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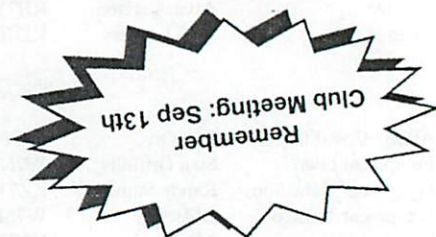
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SALEM NH • SAN DIEGO CA • SUNNYVALE CA • WOODBRIDGE VA



Bring your goodies for
the Tailgate Auction
and Swap Meet
Editor: W6ABM@arrl.net
Simplex: 147.54 MHz
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Web: WWW.OTVARC.ORG



OTVARC
Oregon Tualatin Valley
Amateur Radio Club
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Aloha OR 97006-0132

Club Information

Purpose: The Oregon Tualatin Valley Amateur Radio Club, a Not-for-profit corporation, wants to be instrumental in helping the prospective and established Amateur to become a proficient communicator in the Amateur Radio Service.

Additionally, our intent is to promote the advancement of **Amateur Radio Service**, through the following five objectives:

1. Education & Training of new and licensed Amateurs.
2. Public Service during events & community activities.
3. Emergency communications in emergencies & disasters.
4. Hobby enhancement through meetings, nets & contests.
5. Social contact with other amateurs & interested persons.

Special Service Club: OTVARC is an ARRL Special Service Club. The ARRL grants us this distinction due to our participation in emergency preparedness exercises, public service events and other service-oriented programs. In addition, continuing educational and training programs are conducted for FCC licenses. OTVARC benefits when you join or renew your membership in the ARRL through the club. Contact the treasurer at any regular meeting.

Newsletter: The *OTVARC Oscillator* is the club newsletter. It is published monthly and mailed on the first of the month. Opinions, views, and recommendations of its contributors are not necessarily those of the club, its officers, advertisers or the editorial staff. Editor's E-mail: ecurry@teleport.com. August 2000 *OSCILLATOR* deadline is Saturday, August 26th.

Internet Home Page: WWW.OTVARC.ORG



Correspondence: All correspondence may be sent to **OTVARC, PO Box 5132, Aloha, OR 97006-0132.**

Meetings: We have two meetings per month. The Board meeting is on the fourth Wednesday of each month. Club business is conducted at this meeting. All members are welcome to attend. Contact the President for location and time. The general meeting is on the second Wednesday of each month at the Beaverton Elks Lodge. 3500 SW 104th Ave. (1 block north of Canyon Road). Meetings start at 7 PM. If you would like to come early, you can get a nice meal from the Elks for less than \$6.00.

Membership: OTVARC is open to anyone who is interested in amateur radio. You do not need to be a licensed radio amateur to join. Dues are: Full member, \$10/yr; Associate member (non-licensed), \$10/yr; Family members of full member, \$5/yr; Life memberships available - see the Treasurer. Only full members and life members may vote on club business and serve as club officers. All memberships expire on the last day of the calendar year. If you would like to join during the year, see the club treasurer for prorated dues schedule.

How to join: Mail the Membership application and/or renewal form with your dues to the Club address.